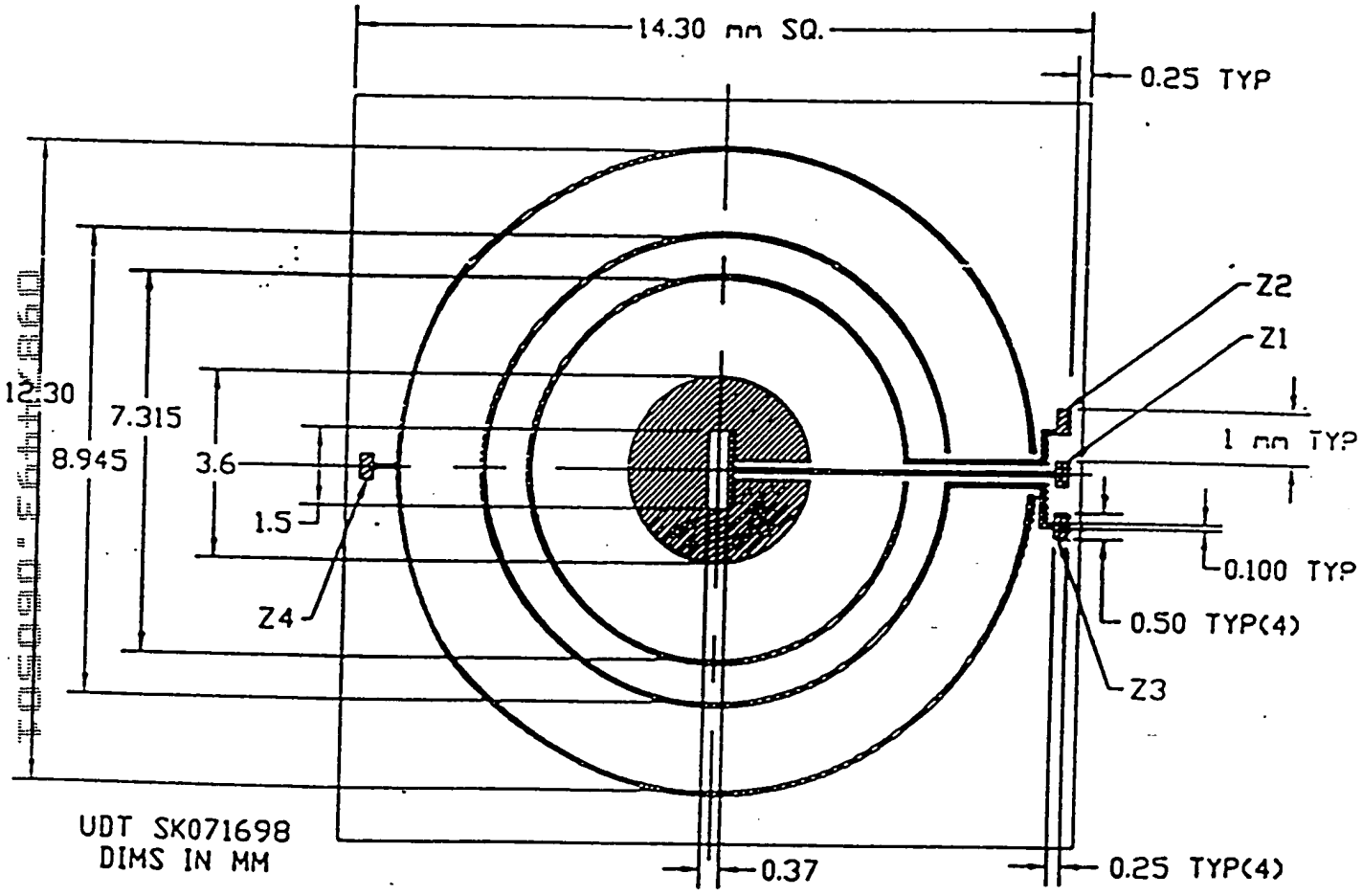

14.30 mm SQ.
0.25 TYP
Z2
Z1
12.30
7.315
8.945
3.6
1.5
1 mm TYP
0.100 TYP
Z4
0.50 TYP(4)
Z3
UDT SK071698
DIMS IN MM
0.37
0.25 TYP(4)

Fig 1a

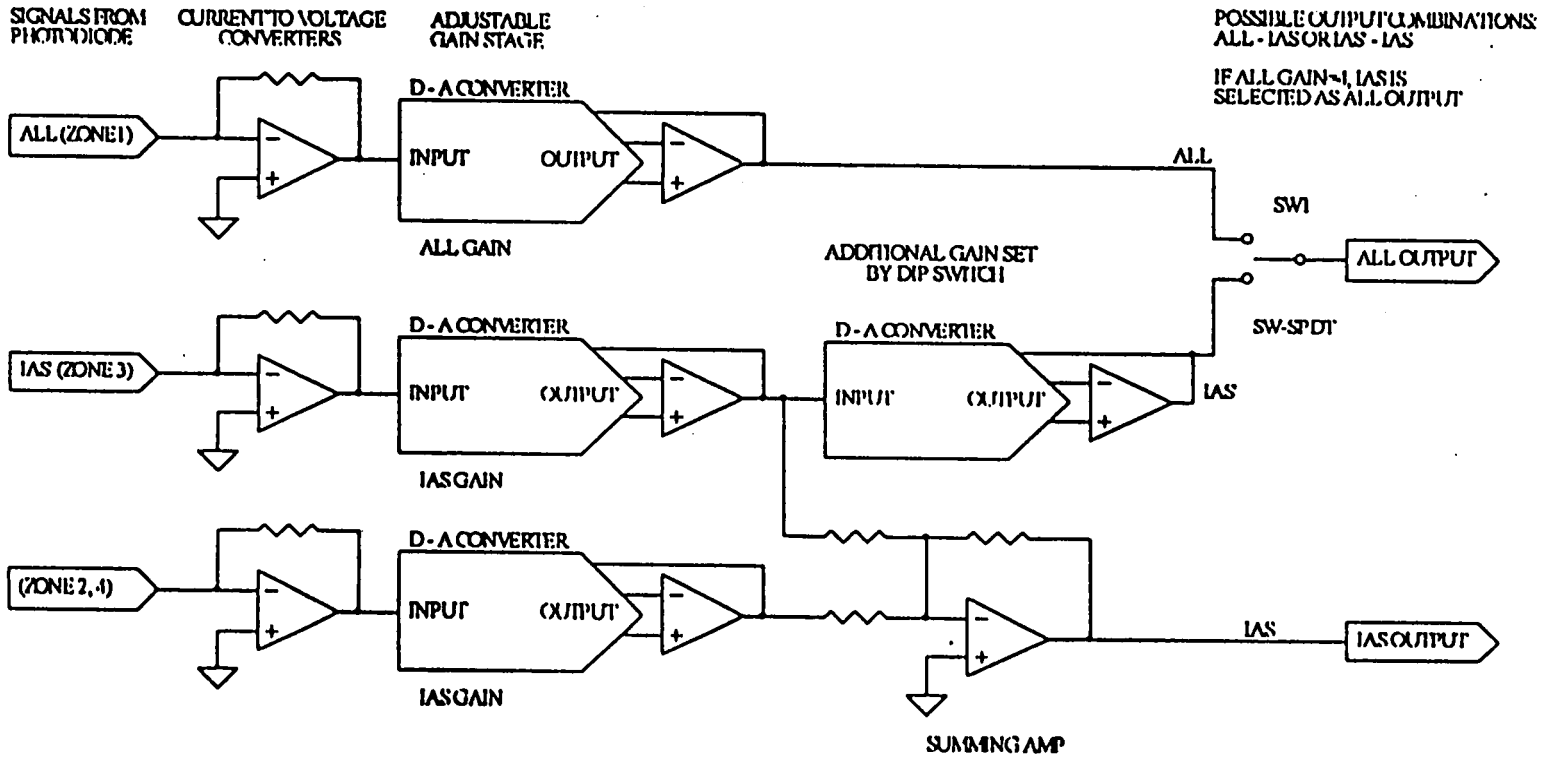


Fig. 1b

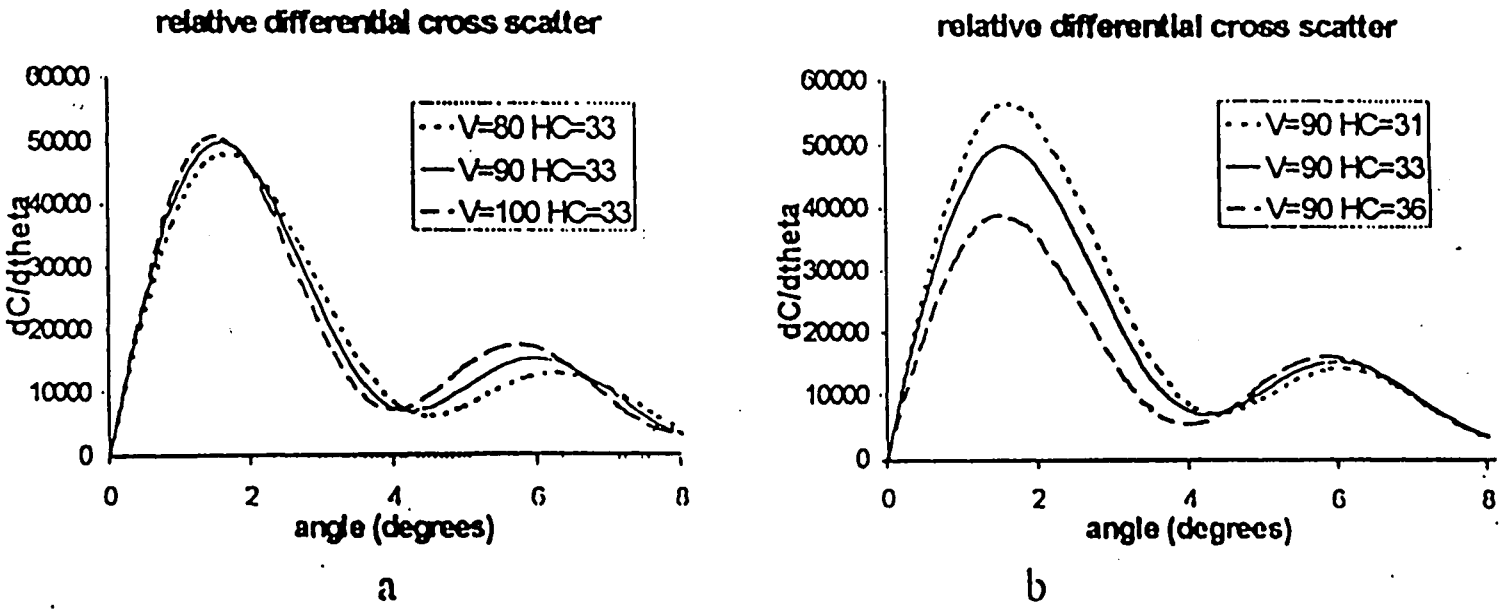


Fig 2.

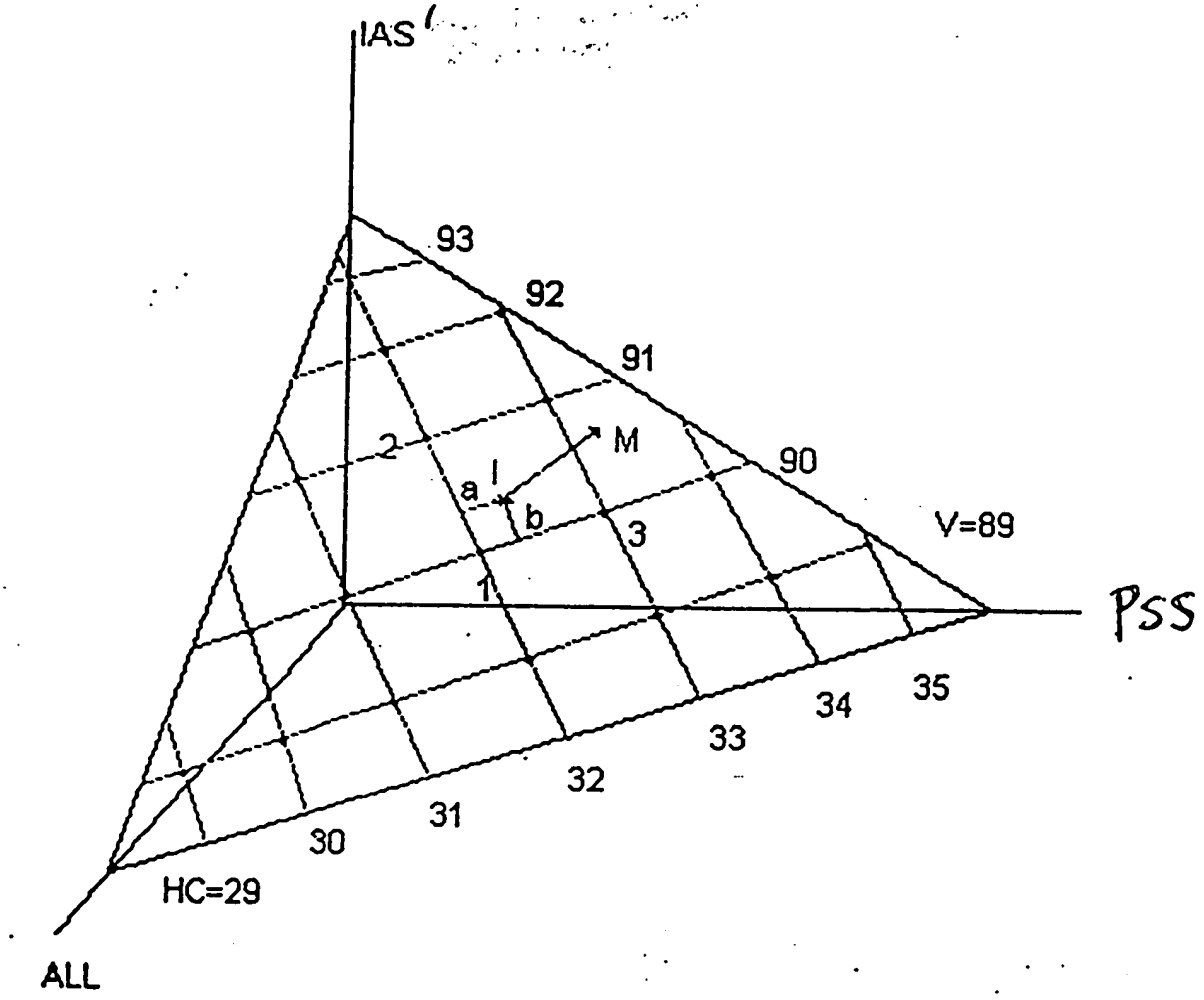


Fig. 3

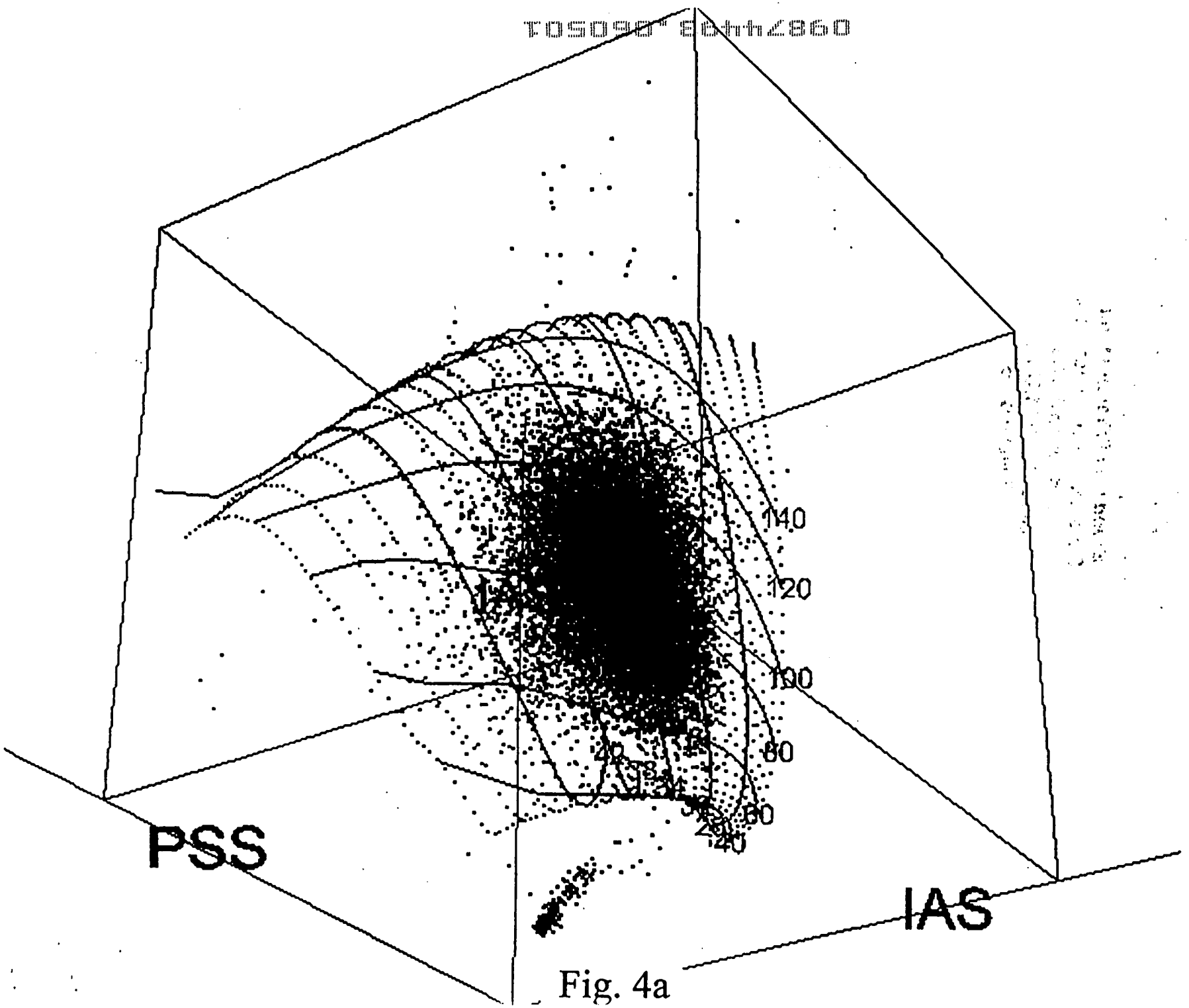


Fig. 4a

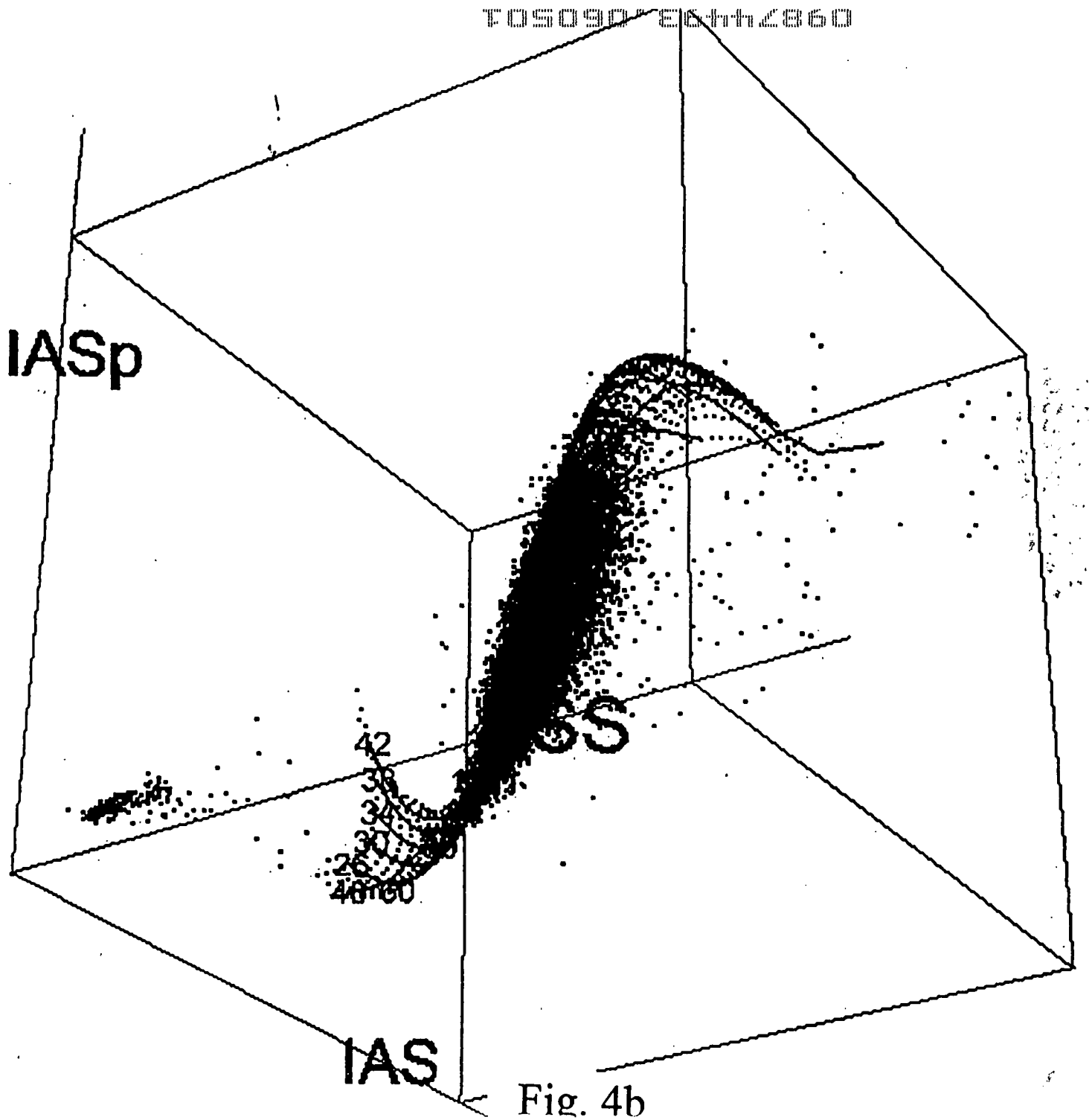


Fig. 4b

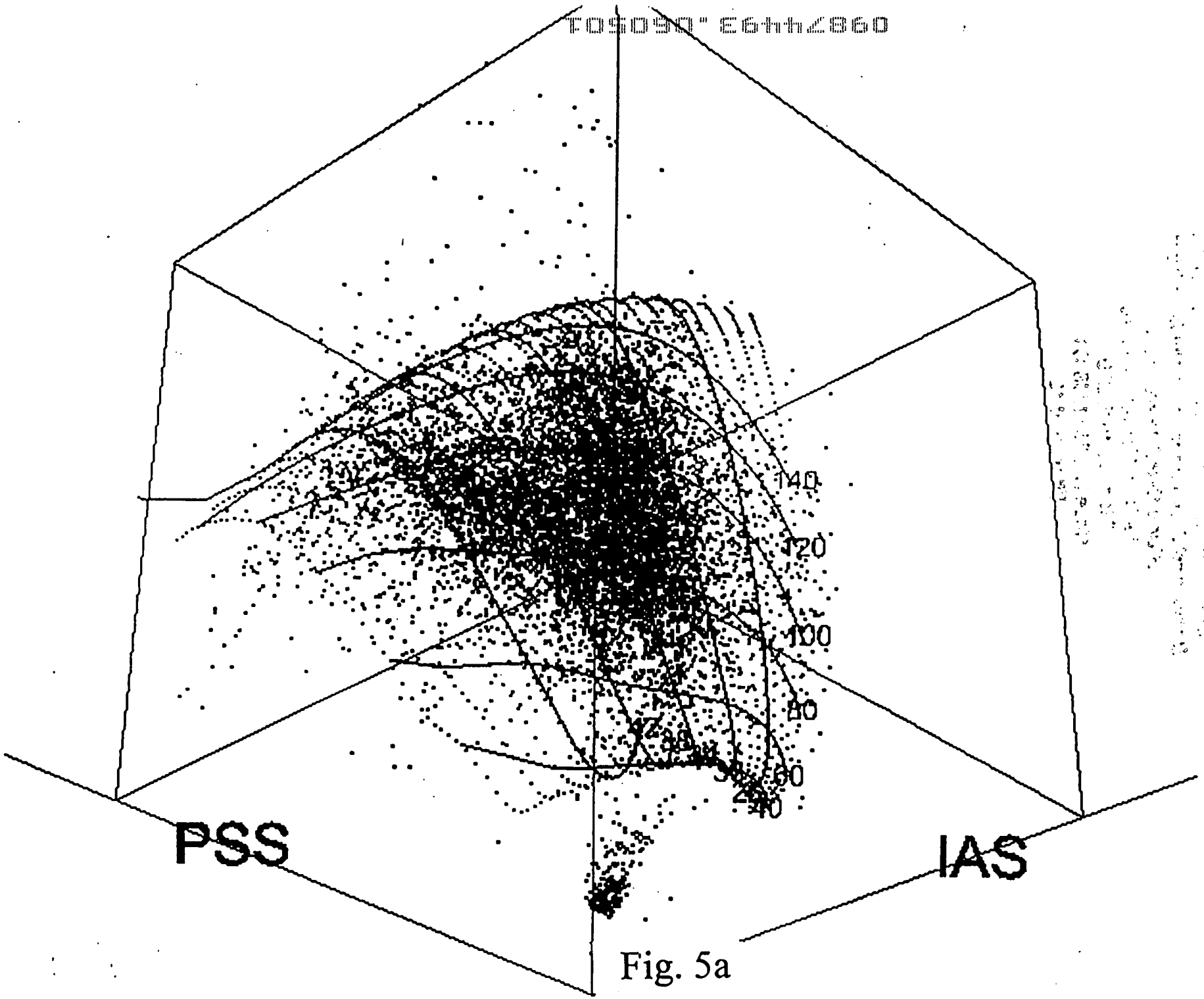


Fig. 5a

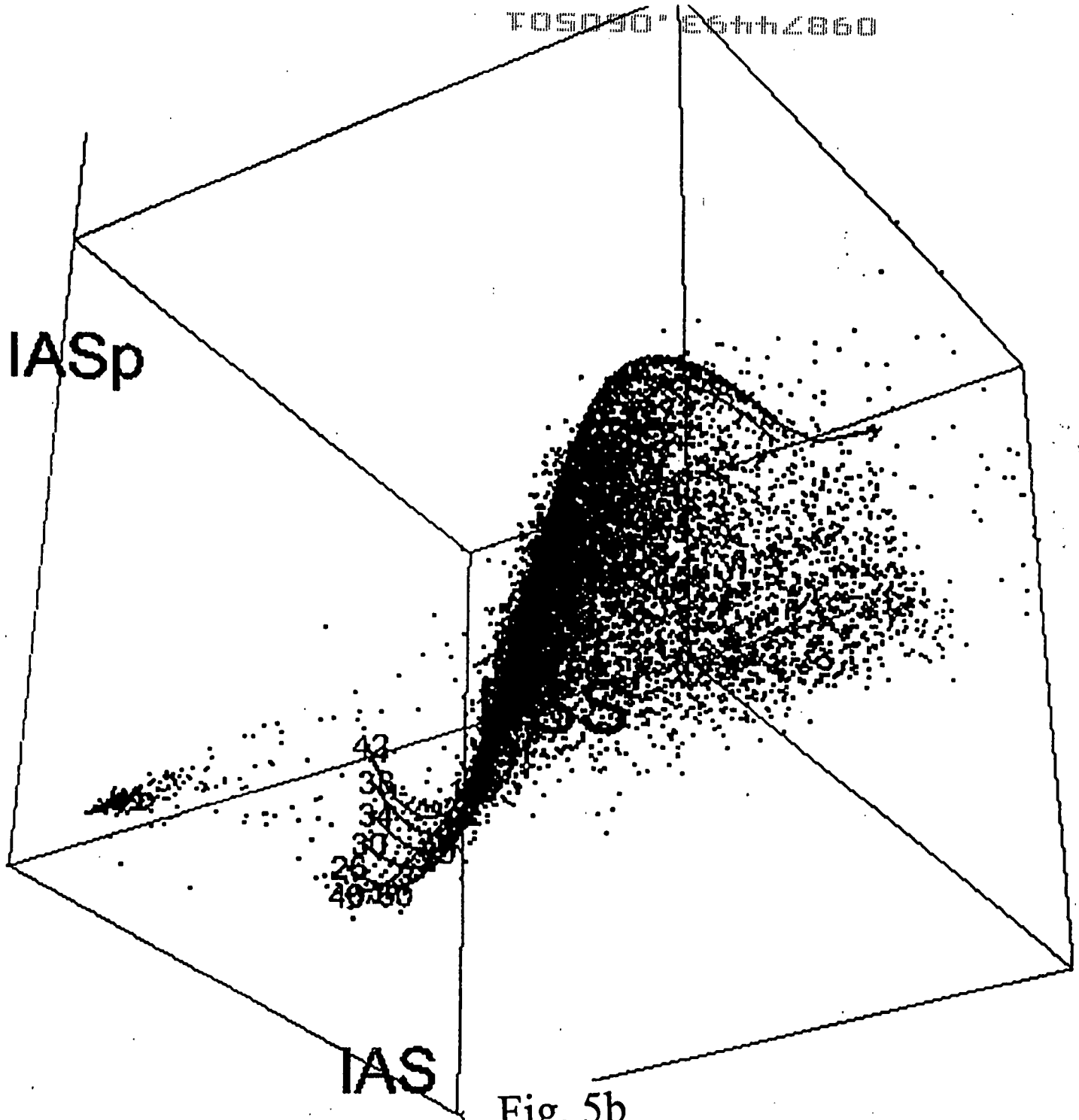


Fig. 5b

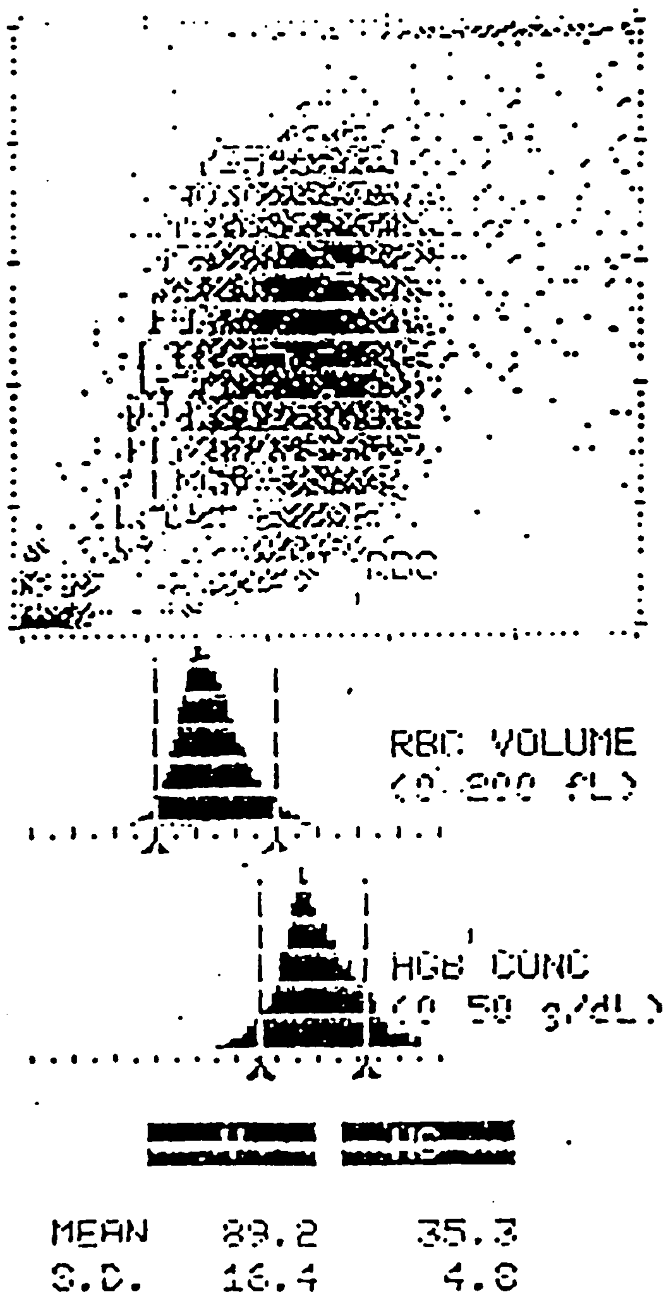
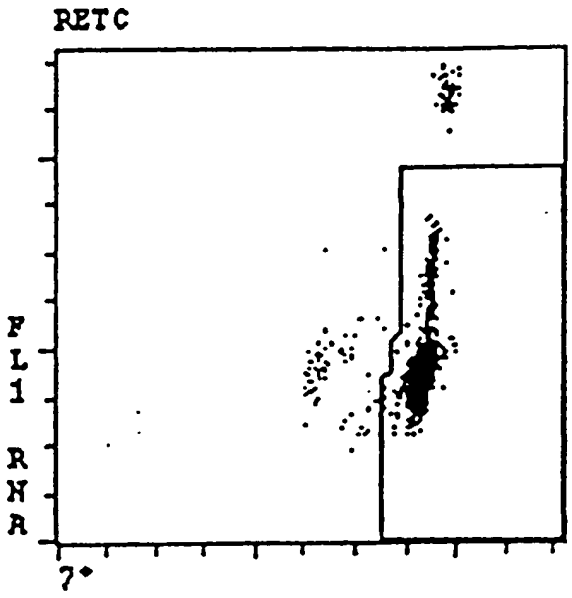
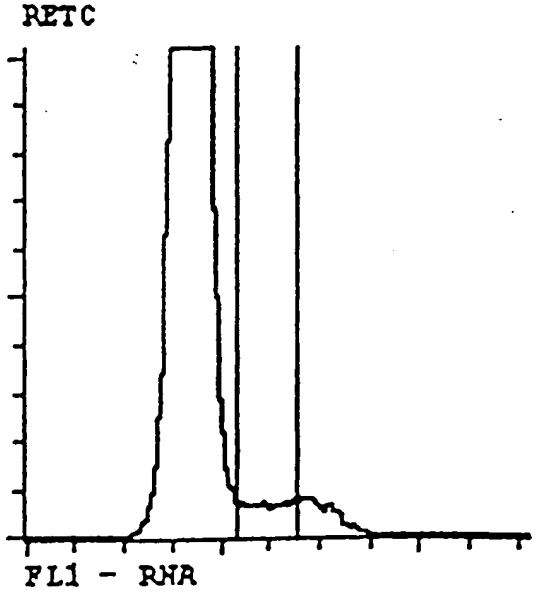


Fig 5c

6a



6b



6c

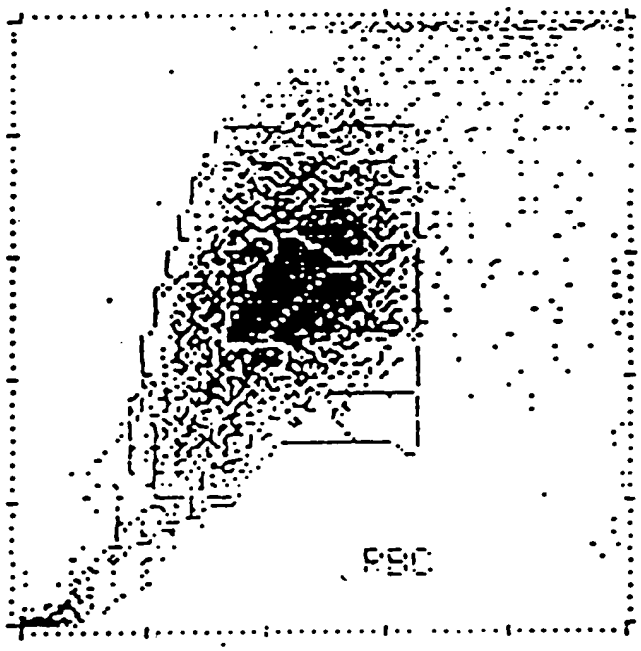
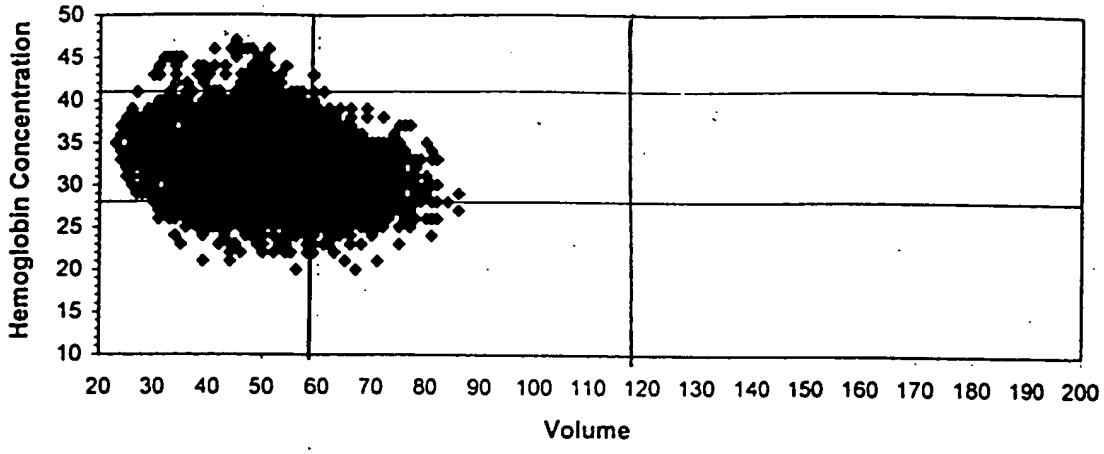
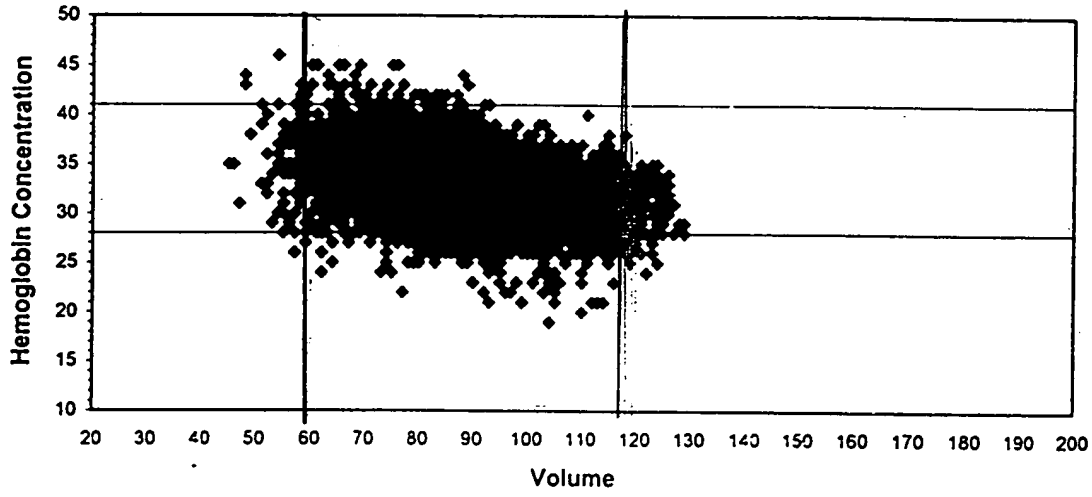


Fig. 6

7a. Microcytic RBC's



7b. Normal RBC's



7c. Macrocytic RBC's

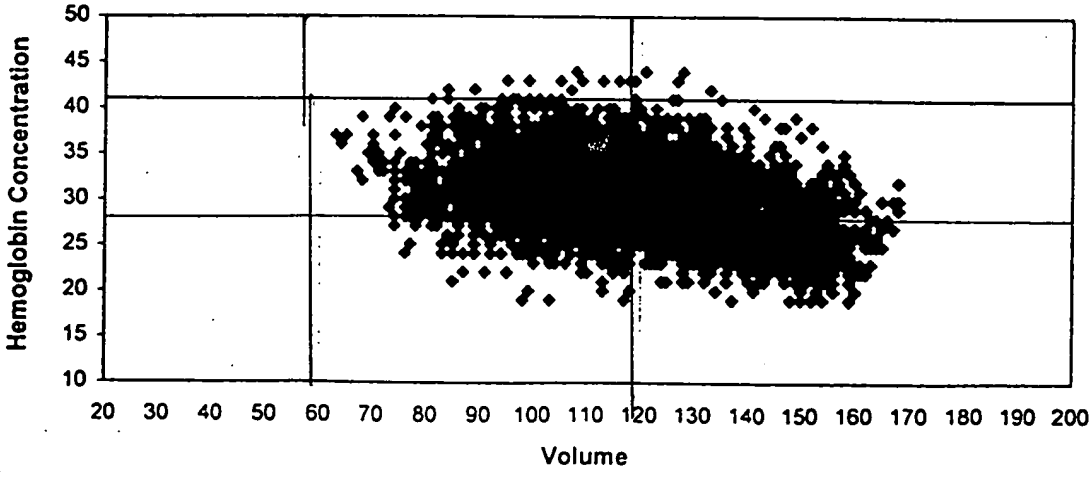
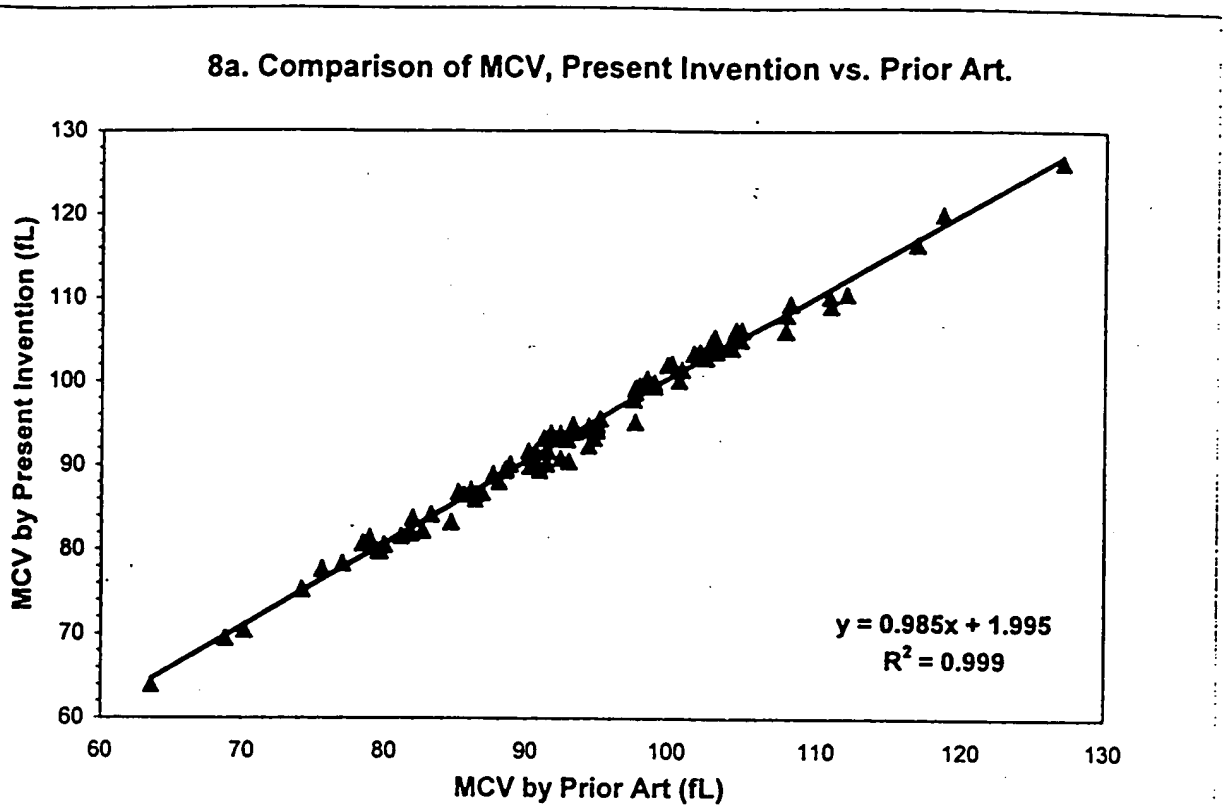


Fig. 7


8a. Comparison of MCV, Present Invention vs. Prior Art.
MCV by Present Invention (fL)
MCV by Prior Art (fL)
y = 0.985x + 1.995
R² = 0.999
60
70
80
90
100
110
120
130

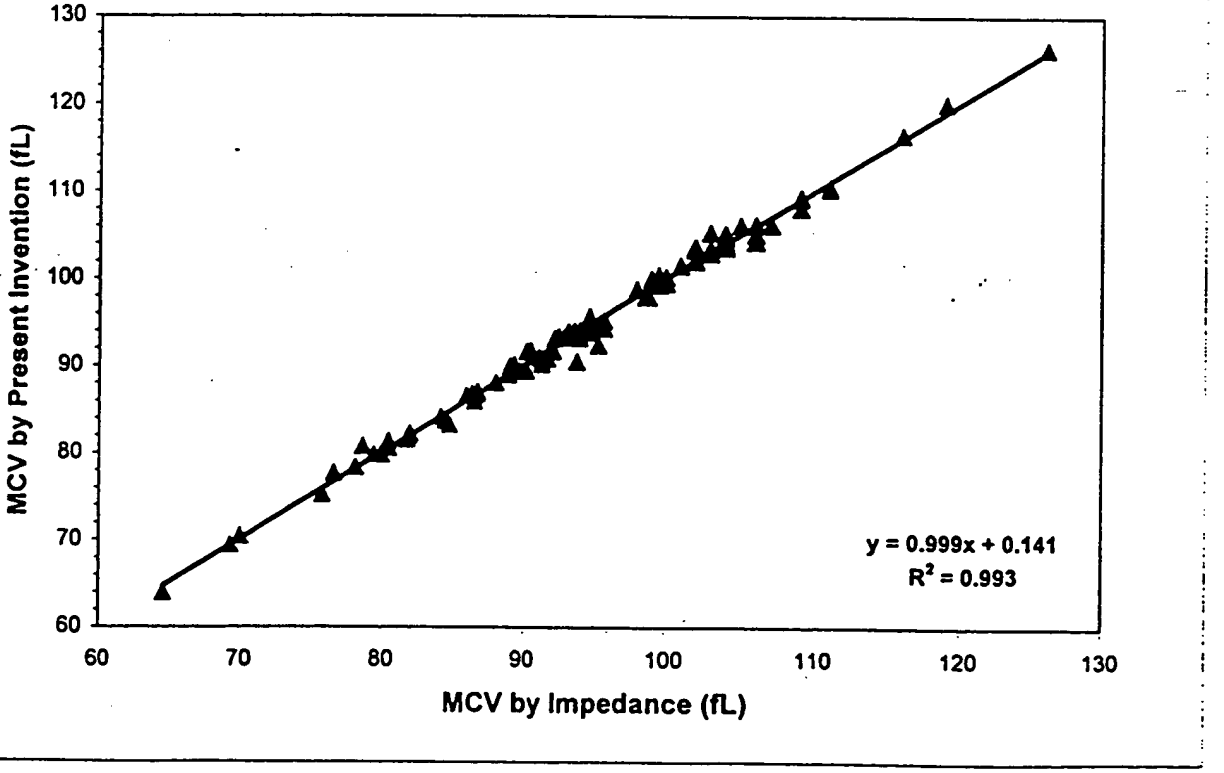
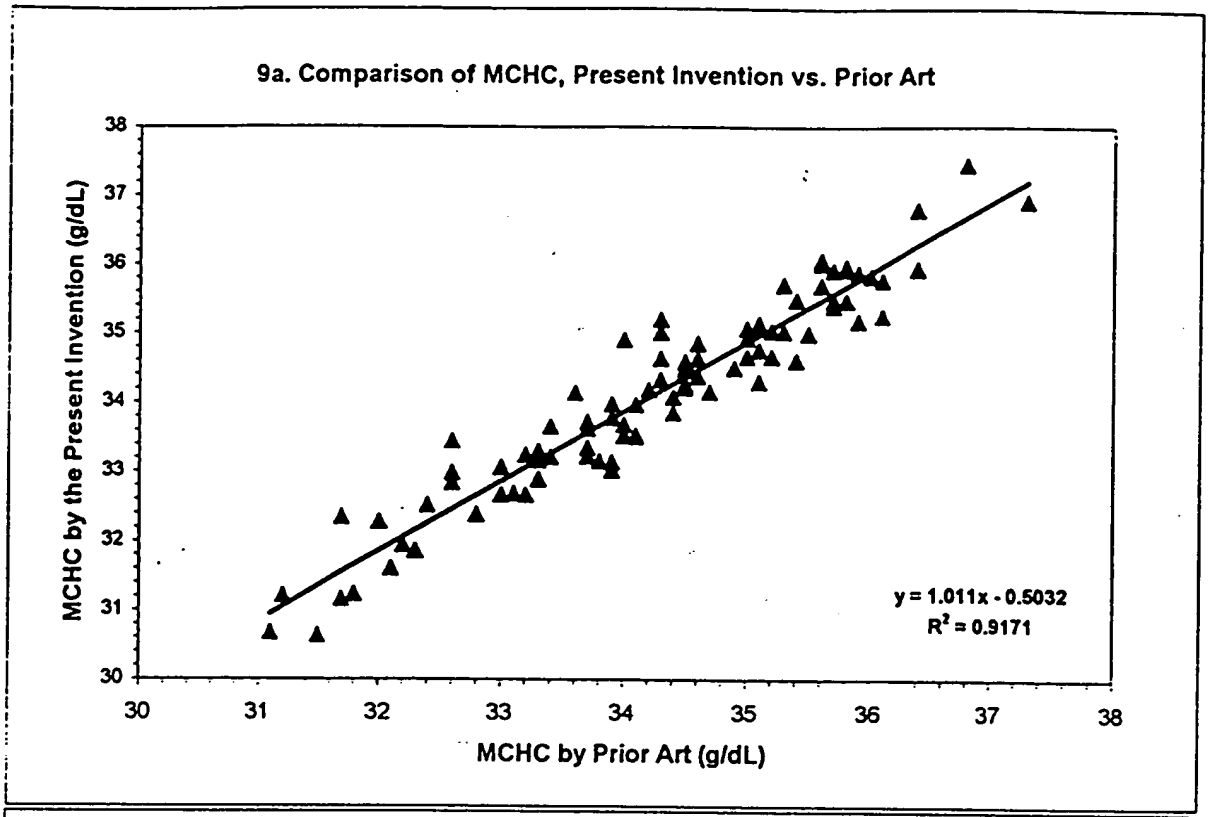

8b. Comparison of MCV, Present Invention vs. Impedance
MCV by Present Invention (fL)
MCV by Impedance (fL)
y = 0.999x + 0.141
R² = 0.993
60
70
80
90
100
110
120
130

Fig. 8


9a. Comparison of MCHC, Present Invention vs. Prior Art
MCHC by the Present Invention (g/dL)
MCHC by Prior Art (g/dL)
y = 1.011x - 0.5032
R² = 0.9171
30
31
32
33
34
35
36
37
38

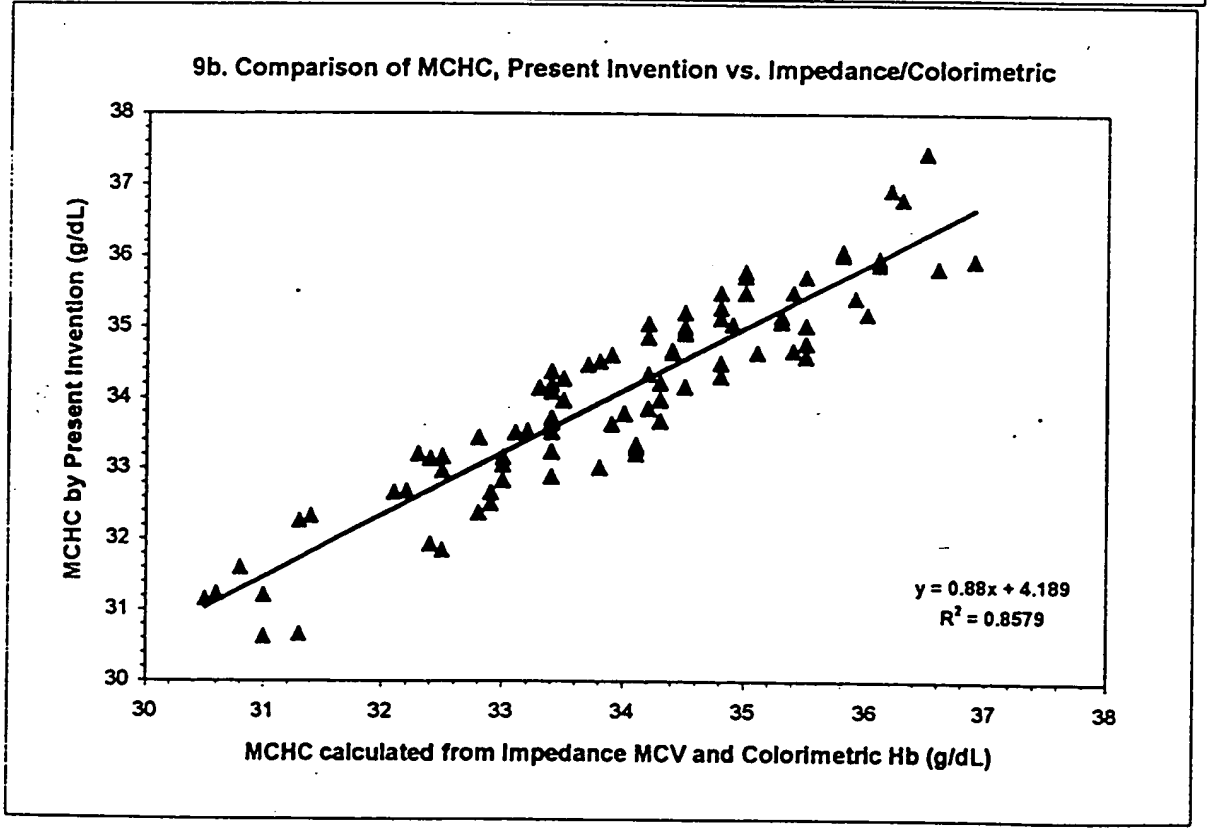

9b. Comparison of MCHC, Present Invention vs. Impedance/Colorimetric
MCHC by Present Invention (g/dL)
MCHC calculated from Impedance MCV and Colorimetric Hb (g/dL)
y = 0.88x + 4.189
R² = 0.8579
30
31
32
33
34
35
36
37
38

Fig. 9

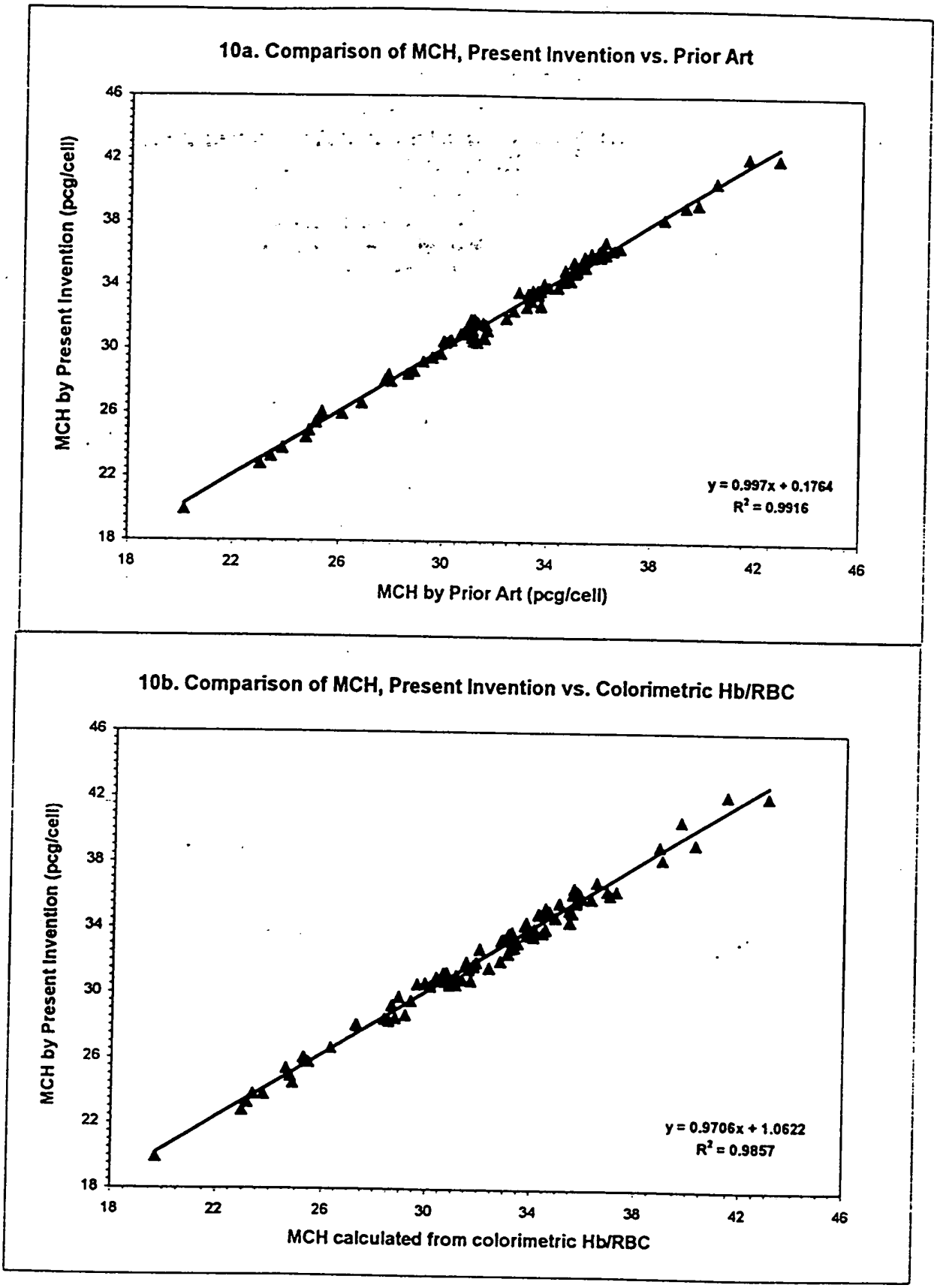
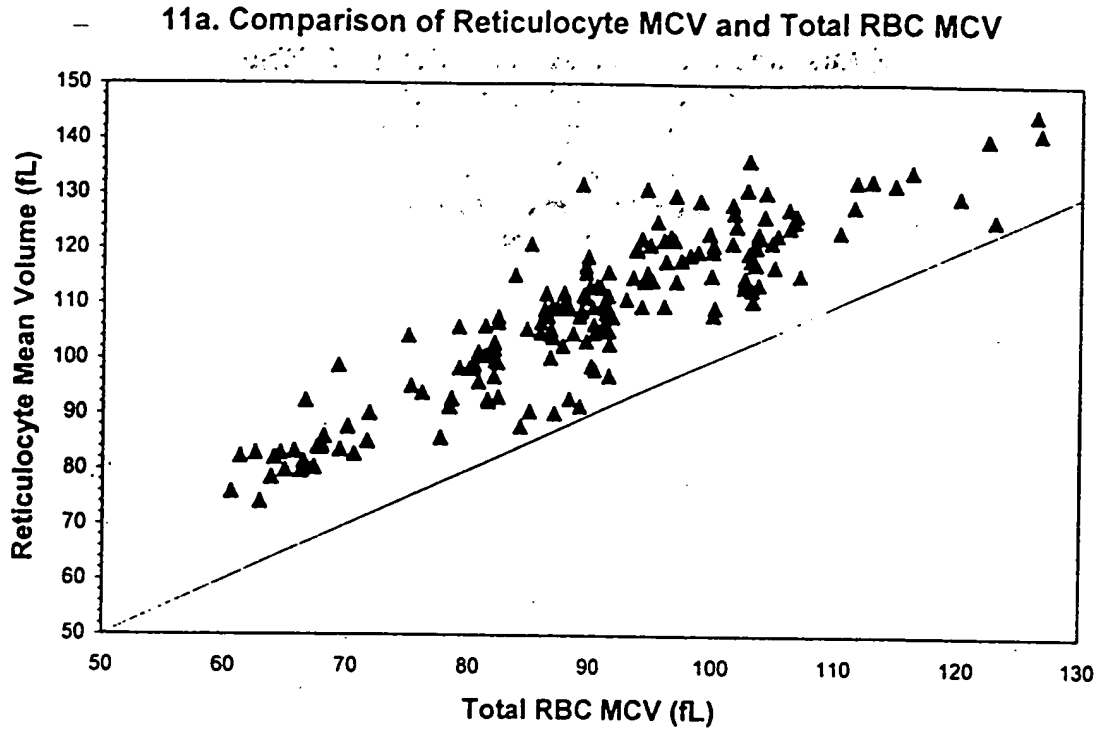

10a. Comparison of MCH, Present Invention vs. Prior Art
MCH by Present Invention (pcg/cell)
MCH by Prior Art (pcg/cell)
y = 0.997x + 0.1764
R² = 0.9916
10b. Comparison of MCH, Present Invention vs. Colorimetric Hb/RBC
MCH by Present Invention (pcg/cell)
MCH calculated from colorimetric Hb/RBC
y = 0.9706x + 1.0622
R² = 0.9857

Fig. 10


11a. Comparison of Reticulocyte MCV and Total RBC MCV
Reticulocyte Mean Volume (fL)
150
140
130
120
110
100
90
80
70
60
50
50
60
70
80
90
100
110
120
130
Total RBC MCV (fL)

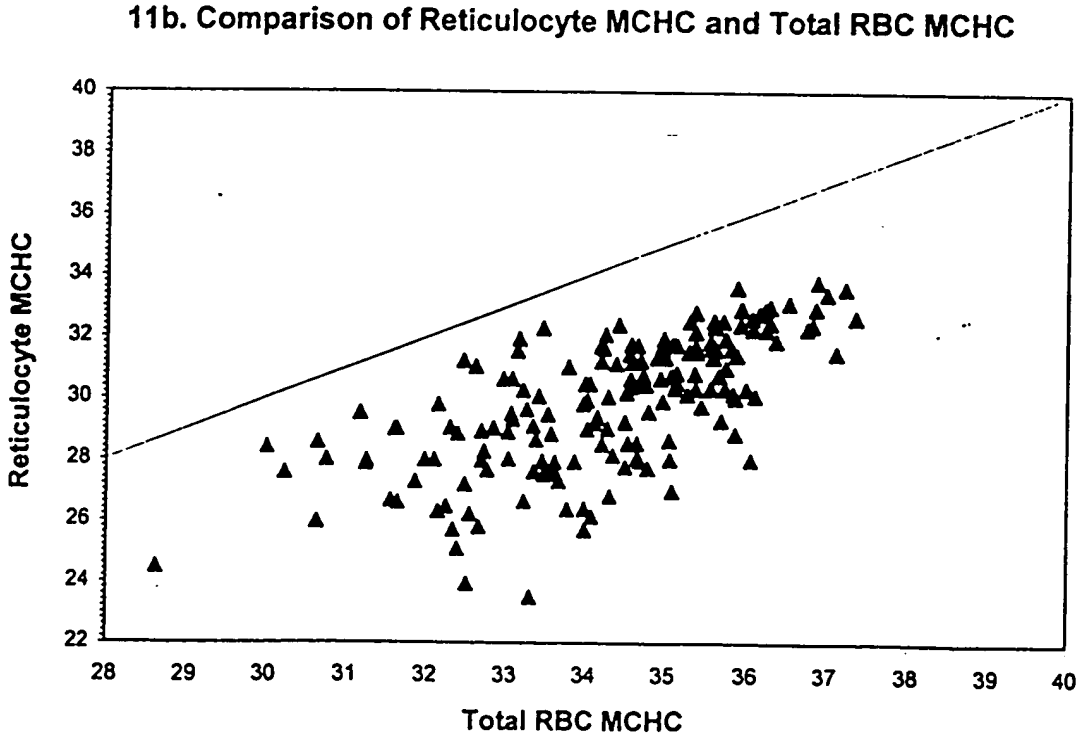
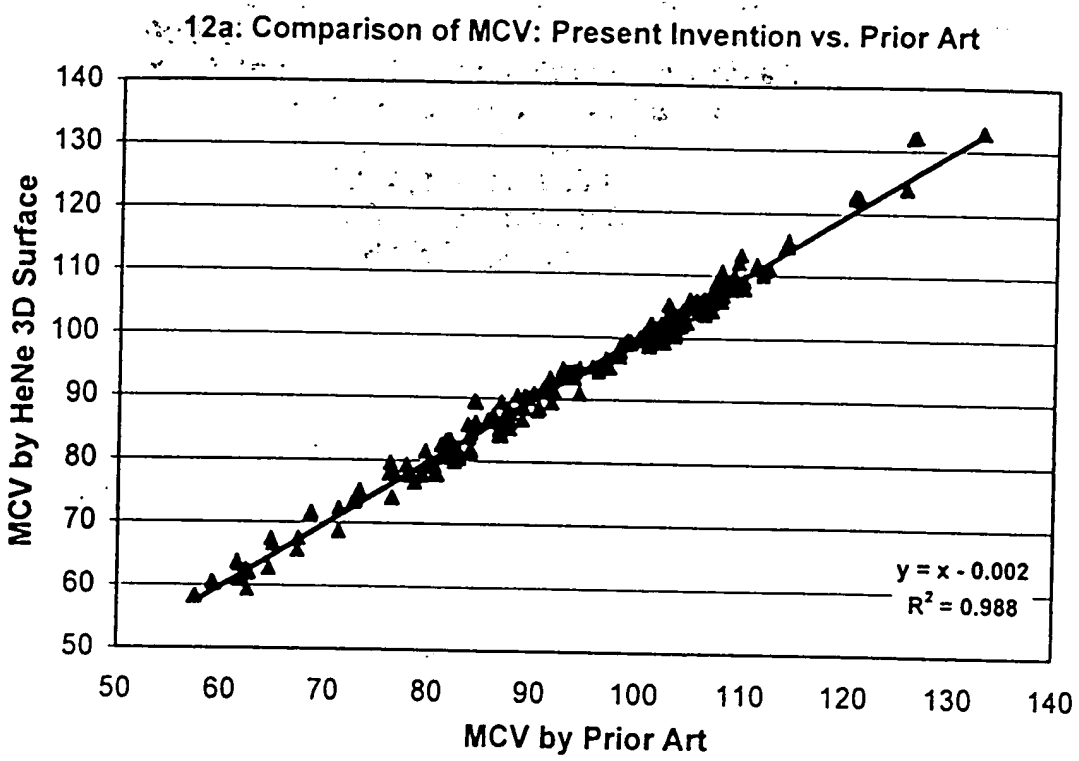

11b. Comparison of Reticulocyte MCHC and Total RBC MCHC
Reticulocyte MCHC
40
38
36
34
32
30
28
26
24
22
28
29
30
31
32
33
34
35
36
37
38
39
40
Total RBC MCHC

Fig. 11


12a: Comparison of MCV: Present Invention vs. Prior Art
MCV by HeNe 3D Surface
MCV by Prior Art
y = x - 0.002
R² = 0.988
140
130
120
110
100
90
80
70
60
50
50
60
70
80
90
100
110
120
130
140

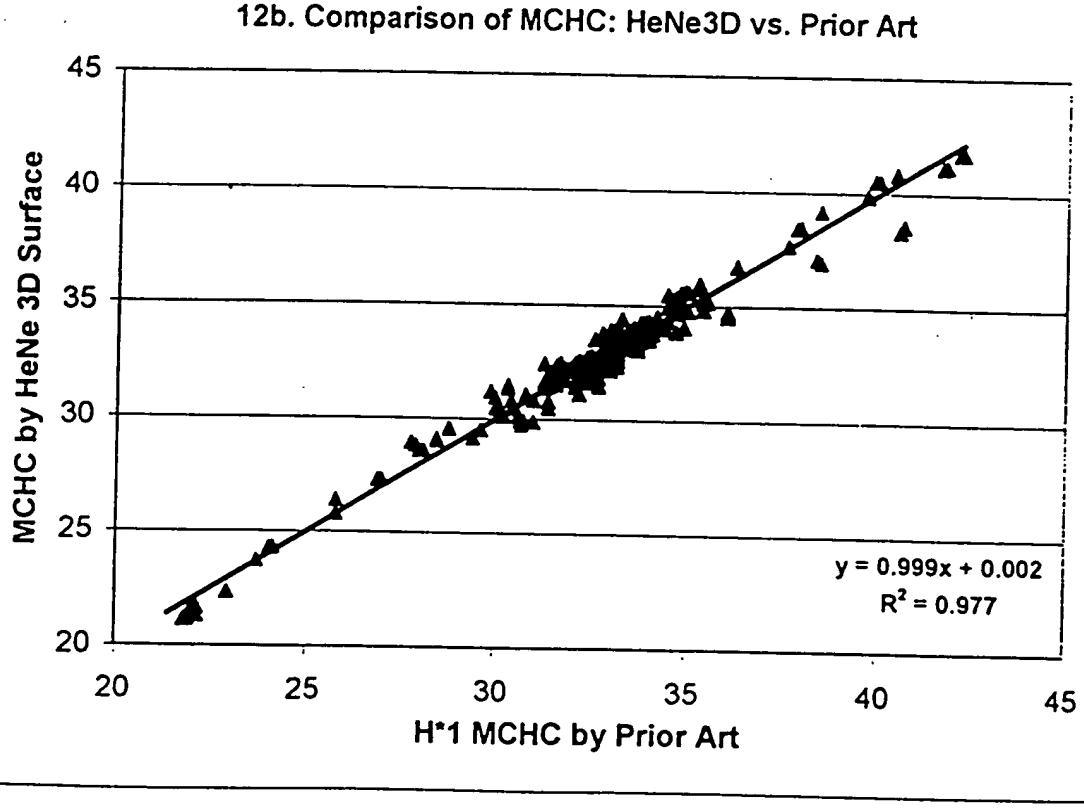

12b. Comparison of MCHC: HeNe3D vs. Prior Art
MCHC by HeNe 3D Surface
H*1 MCHC by Prior Art
y = 0.999x + 0.002
R² = 0.977
45
40
35
30
25
20
20
25
30
35
40
45

Fig. 12